

ATTORNEY'S DOCKET NUMBER  
04447/HGTRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/500997

INTERNATIONAL APPLICATION NO.  
PCT/JP03/00571INTERNATIONAL FILING DATE  
22 January 2003PRIORITY DATE CLAIMED  
23 January 2002

## TITLE OF INVENTION

PROCESS FOR PRODUCING 2,4'-DIHYDROXYDIPHENYLSULFONE

## APPLICANT(S) FOR DO/EO/US

Gou YOSHINO; Yuichi TOMODA; Norihiro TANIGUCHI; Kazuaki IGARASHI; and Takeo HASEGAWA

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

## Items 11 to 20 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☒ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13<sup>ter</sup>.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:
  - (i) NOTICE PCT/IB/308
  - (ii) WO 03/062194 A1 title page (front & back only)
  - (iii) PCT/IPEA/409
  - (iv) REQUEST PCT/RO/101
  - (v) Drawings for the Examiner's convenience
  - (vi) REQUEST FOR PUBLICATION OF ASSIGNMENT INFOR.

Express Mail Label No. EV 443 205 373 US

Date of Deposit: July 7, 2004

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above with sufficient postage, and is addressed to the Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450

Lori Valdes

U.S. APPLICATION NO. (if known, see 37 CFR 1.51)

10/500997

INTERNATIONAL APPLICATION NO.  
PCT/JP03/00571

ATTORNEY'S DOCKET NUMBER  
04447/HG

21. ☒ The following fees are submitted:

**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):**

Neither international preliminary examination fee (37 CFR 1.482)  
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO  
and International Search Report not prepared by the EPO or JPO ..... \$1080.00

International preliminary examination fee (37 CFR 1.482) not paid to  
USPTO but International Search Report prepared by the EPO or JPO ..... \$920.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO  
but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$770.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO  
but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$730.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO  
and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00

**ENTER APPROPRIATE BASIC FEE AMOUNT =**

**CALCULATIONS PTO USE ONLY**

\$ 920.00

Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months  
from the earliest claimed priority date (37 CFR 1.492(e)).

\$ .00

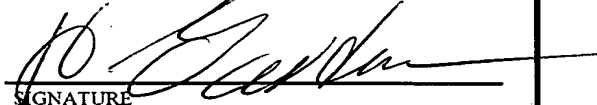
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	2 - 20 =	0	x \$18.00	\$	.00
Independent claims	1 - 3 =	0	x \$86.00	\$	.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$290.00	\$	.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$	920.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	.00
<b>SUBTOTAL =</b>				\$	920.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	.00
<b>TOTAL NATIONAL FEE =</b>				\$	.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$	.00
<b>TOTAL FEES ENCLOSED =</b>				\$	920.00
				Amount to be refunded:	\$ .00
				charged:	\$ .00

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

**CUSTOMER NO. 01933**

Herbert Goodman  
Frishauf, Holtz, Goodman & Chick P.C.  
767 Third Avenue  
25<sup>th</sup> Floor  
New York NY 10017-2023



SIGNATURE

Herbert Goodman

NAME

17,081

REGISTRATION NUMBER

Rec'd PCT/PTO 07 JUL 2004

10/500997

**IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE**

Appl. No. : (U.S. National Phase Appln.  
based on PCT/JP03/00571)  
Applicant : Gou YOSHINO et al  
Filed : Concomitantly herewith  
For : PROCESS FOR PRODUCING  
2,4'-DIHYDROXYDIPHENYL-  
SULFONE....  
Docket No. : 04447/HG  
Customer No.: 01933

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Date of Deposit: July 7, 2004

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*Lori Valdes*

Lori Valdes

In the event that this Paper is late filed, and the necessary petition for extension of time is not filed concurrently herewith, please consider this as a Petition for the requisite extension of time, and to the extent not tendered by check attached hereto, authorization to charge the extension fee, or any other fee required in connection with this Paper to Account No. 06-1378.

**REQUEST FOR PUBLICATION OF  
ASSIGNMENT INFORMATION**

COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, VA 22313-1450

S I R :

It is requested that the following assignment information be published as part of the 18-month publication of the present application:

NICCA CHEMICAL CO., LTD.  
23-1, Bunkyo 4-chome, Fukui-shi  
Fukui 910-8670 Japan

Frishauf, Holtz, Goodman  
& Chick, P.C.  
767 Third Ave., 25th floor  
New York, NY 10017-2023  
Telephone: (212) 319-4900  
Facsimile: (212) 319-5101  
HG/lpv

Respectfully submitted,

*Herbert Goodman*  
HERBERT GOODMAN  
Reg. No. 17,081

10/500997

DT15 Rec'd PCT/PTO 07 JUL 2004

PTO/SB/122 (10-00)

Please type a plus sign (+) inside this box → [+]

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>CHANGE OF CORRESPONDENCE ADDRESS</b> <i>Application</i>  <b>Address to:</b> <b>Commissioner for Patents</b> <b>P.O. Box 1450</b> <b>Alexandria, VA 22313-1450</b>	Application Number	
	Filing Date	Concomitantly herewith
	First Named Inventor	Gou YOSHINO et al
	Group Art Unit	
	Examiner Name	
	Attorney Docket Number	04447/HG

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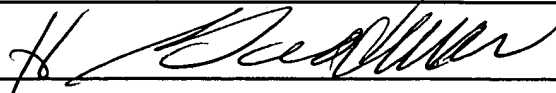
☐ Applicant/Inventor.☐ Assignee of record of the entire interest.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).☒ Attorney or Agent of record.☐ Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number \_\_\_\_\_.

Typed or Printed

Name

Herbert Goodman, Reg. No. 17,081

Signature



Date

July 7, 2004

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.

☒ Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.